

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER _____
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONE ☒

Refiling ☐
Sidetrack ☐

Document Number:

2589920

Plugging Bond Surety

20100017

3. Name of Operator: ENCANA OIL & GAS (USA) INC

4. COGCC Operator Number: 100185

5. Address: 370 17TH ST STE 1700

City: DENVER State: CO Zip: 80202-5632

6. Contact Name: JEVIN CROTEAU Phone: (720)876-5339 Fax: (720)876-6339
Email: JEVIN.CROTEAU@ENCANA.COM

7. Well Name: WANDELL Well Number: 8-4-7

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 8324

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 7 Twp: 2N Rng: 67W Meridian: 6

Latitude: 40.157830 Longitude: -104.927810

Footage at Surface: 938 FNL/FSL FNL 1120 FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4893 13. County: WELD

14. GPS Data:

Date of Measurement: 03/01/2010 PDOP Reading: 2.4 Instrument Operator's Name: TOM WINANS

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 2648 FNL 50 FEL 50 FEL 2648 FNL 50 FEL 50
Sec: 7 Twp: 2N Rng: 67W Sec: 7 Twp: 2N Rng: 67W

16. Is location in a high density area? (Rule 603b)? ☒ Yes ☐ No

17. Distance to the nearest building, public road, above ground utility or railroad: 301 ft

18. Distance to nearest property line: 108 ft 19. Distance to nearest well permitted/completed in the same formation: 780 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
CODELL	CODL	407	160	GWA
J SAND	JSND	232	160	GWA
NIOBRARA	NBRR	407	160	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: _____

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No

23b. If 23 is No ☒ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
ALL F SECTION 7, T2N, R67W EXCEPT FOR LOTS AND BLOCKS LOCATED IN THE TOWN OF HARNEY (SW/4).

25. Distance to Nearest Mineral Lease Line: 50 ft 26. Total Acres in Lease: 545

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No

30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☐ Land Farming ☒ Land Spreading ☐ Disposal Facility Other: _____

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	450	200	450	0
1ST	7+7/8	4+1/2	11.6	8,324	270	8,324	7,285

32. BOP Equipment Type: ☒ Annular Preventer ☒ Double Ram ☒ Rotating Head ☐ None

33. Comments NO CONDUCTOR CASING WILL BE USED. PROPOSED GWA UNIT CONFIGURATION FOR NB-CD & JSND: SEC 7: SENE, NE, SE & SEC 8: SWNW, NWSW ; Encana Oil & Gas (USA) Inc. requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waivers are attached. Encana Oil & Gas (USA) Inc. requests approval of a Rule 603.a.(2) exception location: Wellhead is to be located less than 150' from a property line. Waivers are attached. Encana Oil & Gas (USA) Inc. requests approval of a variance to Rule 603.e.(2): Wellhead is to be located less than 350' from a building unit. Waivers are attached.

34. Location ID: 336439

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ No

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: JEVIN CROTEAU

Title: REGULATORY Date: 8/5/2010 Email: JEVIN.CROTEAU@ENCANA.C

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Neslin Director of COGCC Date: 10/30/2010

Permit Number: _____ Expiration Date: 10/29/2012

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

- 1) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Shannon to 200' above Sussex. Verify coverage with cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name	Doc Description
2589920	APD ORIGINAL	LF@2518884 2589920
2589921	WELL LOCATION PLAT	LF@2518885 2589921
2589922	TOPO MAP	LF@2518886 2589922
2589923	MINERAL LEASE MAP	LF@2518887 2589923
2589924	SURFACE AGRMT/SURETY	LF@2518888 2589924
2589925	30 DAY NOTICE LETTER	LF@2518889 2589925
2589926	DEVIATED DRILLING PLAN	LF@2518890 2589926
2589927	EXCEPTION LOC REQUEST	LF@2518891 2589927
2589928	EXCEPTION LOC WAIVERS	LF@2518892 2589928
2589929	EXCEPTION LOC REQUEST	LF@2518893 2589929
2589930	EXCEPTION LOC WAIVERS	LF@2518894 2589930
2589931	PROPOSED SPACING UNIT	LF@2518895 2589931
2622072	EXCEPTION LOC REQUEST	LF@2611352 2622072
2622073	PROPOSED SPACING UNIT	LF@2611358 2622073

Total Attach: 14 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Uploaded Variance Request and Waivers for Rule 603.e.(2) variance. PVG	10/29/2010 1:22:52 PM
Permit	ON HOLD. This location is a high density location which requires a CDPHE consultation. The location is 300' from a building unit 50' below the minimum setback required by rule (350'). Notified CDPHE, operator, and OGLA of the need for CDPHE consultation. PVG	9/2/2010 7:36:42 AM
Permit	opr permission to remove surety bond section I 8/13	8/13/2010 3:02:32 PM
Permit	Failed without reply to email or phone call (away until 8/16). SECTION III: SUA in place and surface surety bond inserted in form 2s but not the 2A - need opr permission to remove.	8/11/2010 4:03:53 PM

Total: 4 comment(s)

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